

ASSIGNMENT OF PATENT APPLICATION
(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

CROSSTALK IDENTIFICATION IN XDSL SYSTEMS

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on February 16, 2001, and which bears the Application No. 09/788,267.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

Sell(s), assign(s) and transfer(s) to THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, a California corporation having a place of business at Office of Technology Licensing, 900 Welch Road, Suite 350, Palo Alto, California 94304-1850, (hereinafter referred to as ("ASSIGNEE")), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.


2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

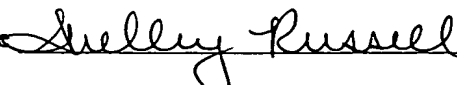
Signed on the date(s) indicated beside my (our) signature(s).

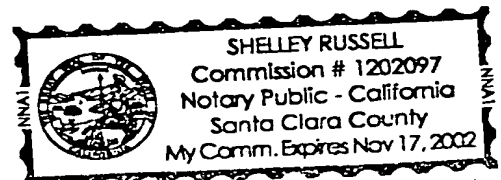
1. Inventor Signature:  Date: 5/22/01
Chaohuang Zeng

State of California)
County of Santa Clara) ss.

On this 22nd day of May, in the year 2001, before me, Shelley Russell, Notary Public, personally appeared Chaohuang Zeng, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature  (SEAL)



2. Inventor Signature: _____

Carlos Aldana

Date: _____

5/22/01

State of California)

ss.

County of Santa Clara)

On this 22nd day of May, in the year 2000, before me, Shelley Russell, Notary Public, personally appeared Carlos Aldana, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Shelley Russell

(SEAL)



SHELLEY RUSSELL
Commission # 1202097
Notary Public - California
Santa Clara County
My Comm. Expires Nov 17, 2001

3. Inventor Signature: _____

Atul Salvekar

Date: _____

5/24/01

State of California)

ss.

County of SANTA CLARA)

On this 24th day of MAY, in the year 2001, before me, ALBERT SIU-TOUNG, Notary Public, personally appeared Atul Salvekar, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity(~~ies~~), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Albert Siu-Toung

(SEAL)



ALBERT SIU-TOUNG
COMM. #1179431
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Comm. Expires Apr. 10, 2002

4. Inventor Signature: _____

John M. Cioffi

Date: _____

5/22/01

State of California)

ss.

County of Santa Clara)

On this 22nd day of May, in the year 2000, before me, Shelley Russell, Notary Public, personally appeared John M. Cioffi, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Shelley Russell

(SEAL)



SHELLEY RUSSELL
Commission # 1202097
Notary Public - California
Santa Clara County
My Comm. Expires Nov 17, 2002